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SNOWPLOW PREP PACKAGE (VYU)

The chart on the page SP-4 shows GMTG and General Motors approved models available with snowplow prep package-option VYU.

GM recommends that when a snowplow is mounted on a vehicle, only one passenger should accompany the driver. More than one passenger may exceed Front Gross Axle Weight Ratings.

Prior to installing a front mounted snowplow, the following process should be followed and necessary information obtained.

- Establish vehicle curb weight
- Establish chassis manufacturer's front and rear axle weight ratings
- Chevrolet and GMC truck dealers can provide availability, specifications, Gross Vehicle Weight Ratings (GVWR), and Front and Rear Gross Axle Weight Ratings (FGAWR/RGAWR). For vehicles already built, this information can be found on the certification label installed on driver's door/door frame or provided on the cover of the Incomplete Vehicle Document.

The following information should be obtained and provided by the manufacturers of snowplows and salt spreaders:

- Specifications, weights and center of gravity data
- Vehicle installation guidelines and instructions
- Calculation of weight distribution for the front and rear axles

The loaded vehicle with driver, passenger, aftermarket accessories, snowplows, spreader, and cargo must not exceed the Gross Vehicle Weight Rating (GVWR), and Front and Rear Gross Axle Weight Ratings. In addition, the completed curb weight vehicle, with all installed aftermarket accessories, snowplow, and spreader, and with 400 lbs. for vehicles less than 10,000 lbs. and 500 lbs. for vehicles greater than 10,000 lbs. distributed in the driver-passenger area of the vehicle, must have a center of gravity location that is located within the trapezoid formed by the coordinates A, B, C, D, H1 & H2, plus it must be to the rear of vertical line E and forward of vertical line F as defined in the ALLOWABLE CENTER OF GRAVITY CHARTS. If the center of gravity location does not fall within the specified trapezoid, ballast weight may be required to shift the center of gravity location until it falls within the specified trapezoid.

The snowplow manufacturer and the installer of the aftermarket equipment should determine the amount of rear ballast required to ensure that the vehicle, with the attached snowplow and aftermarket equipment, complies with the Allowable Center of Gravity Trapezoid and the resulting front and rear weight distribution ratio as defined in the Allowable Center of Gravity Charts published in this manual.

Special Notice

Ballast Compensating Weight

The use of rear ballast weight may be required to prevent exceeding the Gross Axle Weight Rating of the front axle. The use of rear ballast weight may be required to ensure that the center of gravity location of the completed vehicle, with the attached snowplow and other installed equipment, complies with the Allowable Center of Gravity Trapezoid and the resulting front and rear weight distribution ratio, even though the actual front weight may be less than the Gross Axle Weight Rating of the front axle. In either case, the rear ballast weight should be securely attached in the cargo box or behind the rear axle of the vehicle in a manner which prevents it from moving during driving and stopping.



TORSION BAR ADJUSTMENT

To help avoid personal injury, refer to Z-height setting procedure before adjusting torsion bars. If torsion bars are adjusted for aftermarket equipment, be sure to return them to specification when the equipment is removed. Otherwise, a front shock absorber may dislodge and damage a front brake line. This could result in an accident when minimum stopping distances are required.

Special Applications - Full Size K Series (4x4)

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'K' – Series Snow Plow Prep Package

		PICKUPS - Single Rear Wheel (SRW)						
Model		K15703	K15903	K25753	K25743	K25903	K25953	K25943
Cab		Regular	Regular	Double	Crew	Regular	Double	Crew
Wheelbase inches		119	133	143.5	153	133	157.5	167
Pickup Box length feet / Cab to Axle length inches		6.5	8	6.5	6.5	8	8	8
GVWR lb.		6800	7000	9500/10k*	9500/10k*	9500/9900*	9500/10k*	9900/10k*
GAWR lb. -Frt.		3950	3950	4400/5200*	4800/5200*	4400/5200*	4800/5600*	4800/5200*
Engine Availability with VYU:	opt. code							
Vortec 4.3L V8 SFI Flex Fuel	LV3	S	S	N/A	N/A	N/A	N/A	N/A
Vortec 5.3L V8 SFI Flex Fuel	L83	A	A	N/A	N/A	N/A	N/A	N/A
Vortec 6.0L V8 SFI Flex Fuel	LC8	N/A	N/A	S	S	N/A	S	S
Vortec 6.0L V8 Variable Timing SFI Flex Fuel	L96	N/A	N/A	S	S	S	S	S
Vortec 6.2L V8 SFI	L86	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Duramax 6.6L V8 Diesel	LML	N/A	N/A	A	A	A	A	A
Base (B) Equipment Includes:								
Battery 600 CCA (Gasoline Engines)		S	S	S	S	S	S	S
Dual Batteries 730 CCA (6.6L Diesel Engine)	TUV	N/A	N/A	A	A	A	A	A

Special Applications - Full Size K Series (4x4)

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Provisions for Rear Back-Up Lighting								
Front Tow Hooks	V76	S	S	S	S	S	S	S
Floor Covering HD Rubber - Std. on Work Truck / Base without YE9	BG9	B & A	B & A	B & A	B & A	B & A	B & A	B & A
Snow Plow Prep Pkg. Includes:	VYU							
Increased Front Spring rate 4WD	F60	S	S	S	S	S	S	S
Air cleaner, high-capacity	K47	S	S	S	S	S	S	S
External Eng. Oil Cooler	KNP	A	A	R	R	R	R	R
Alternator 170 Amp(150 w/o VYU)- Gas Engines	KW7	S	S	N/A	N/A	N/A	N/A	N/A
Alternator 220 Amp(150 w/o VYU)- Gas Engines	KW5	N/A	N/A	S	S	S	S	S
Alternators - Dual 150 Amp - Diesel Engines	KH5	N/A	N/A	S	S	S	S	S
Provision for Roof Mtd. Emergency Light	TRW	S	S	S	S	S	S	S
Transmission Cooler (air to oil) Auto only	KNP	S	S	S	S	S	S	S
***42mm Hole FOD with Rubber Grommet								
Fwd. Lamp Harness with In-Line Connector								
Mntg. Location for Snow Plow Controls								
Suggested Optional Equipment :								

Special Applications - Full Size K Series (4x4)

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Battery 730 CCA - Gasoline Engines	6C5	A	A	A	A	A	A	A
3.73 Rear Axle Ratio	GT4	A	A	"B" Gas & "A" Diesel	B	B	B	B
4.10 Rear Axle Ratio	GT5	A	A	A	A	A	A	A
Skid Plate, "Off Road" - Included with Z71	NZZ	A & Y	A & Y	A & Y	A & Y	A & Y	A & Y	A & Y
Engine Block Heater (Req'd for Canada - opt. Z49)	K05	A	A	A	A	A	A	A
Locking Differential - Included with (NHT) Max Trailering Pack or (PCY) Towing Package or axle ratio GT5	G80							
Rear Window Defogger (N/A with A48 on Ext. & Crew Cabs) (Reqs. C67 AC on Reg. Cabs)	C49	A	A	A	A	A	A	A
Sliding Rear Window not avail. with C49	A48	N/A	N/A	A	A	N/A	A	A
Windshield Washer Fluid System, Heated (Reqs. Opt. YE9 or SLT)	XA7	A	A	A	A	A	A	A

* = DIESEL / k = x 1000 / s = SRW / d = DRW

Special Applications - Full Size K Series (4x4)

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		PICKUPS --- Single(s) & Dual(d) Rear Wheels				Chassis---Cabs		
Model		K35903	K35743	K35953	K35943	K36003	K36043	K36403
Cab		Regular	Crew	Double	Crew	Regular	Crew	Regular
Wheelbase inches		133	167	157.5	167	137	161.5	161.5
Pickup Box length feet / Cab to Axle length inches		8	6.5	8	8	60" CA	60" CA	80" CA
GVWR lb.		10700/11400* s	10800/11500* s	11000/11600* *s	11000/11600* s	13,200	13,200	13,200
GAWR lb. -Frt.		4400/5200*	4800/5600*	4800/5600*	4800/5600*	4400/5200*	4800/5600*	5200/5600*
Engine Availability with VYU:	opt. code							
Vortec 4.3L V8 SFI Flex Fuel	LV3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Vortec 5.3L V8 SFI Flex Fuel	L83	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Vortec 6.0L V8 SFI Flex Fuel	LC8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Vortec 6.0L V8 Variable Timing SFI Flex Fuel	L96	S	S	S	S	S	S	S
Vortec 6.2L V8 SFI	L86	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Duramax 6.6L V8 Diesel	LML	A	A	A	A	A	A	A
Base (B) Equipment Includes:								
Battery 600 CCA (Gasoline Engines)		S	S	S	S	B	B	B
Dual Batteries 730 CCA (6.6L Diesel Engine)	TUV	A	A	A	A	A	A	A

Special Applications - Full Size K Series (4x4)

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Provisions for Rear Back-Up Lighting								
Front Tow Hooks	V76	S	S	S	S	S	S	S
Floor Covering HD Rubber - Std. on Work Truck / Base without YE9	BG9	B & A	B & A	B & A	B & A	B & A	B & A	B & A
Snow Plow Prep Pkg. Includes:	VYU							
Increased Front Spring rate 4WD	F60	S	S	S	S	S	S	S
Air cleaner, high-capacity	K47	S	S	S	S	S	S	S
External Eng. Oil Cooler	KNP	S	S	S	S	S	S	S
Alternator 170 Amp(150 w/o VYU)- Gas Engines	KW7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Alternator 220 Amp(150 w/o VYU)- Gas Engines	KW5	S	S	S	S	S	S	S
Alternators - Dual 150 Amp - Diesel Engines	KH5	S	S	S	S	S	S	S
Provision for Roof Mtd. Emergency Light	TRW	S	S	S	S	S	S	S
Transmission Cooler (air to oil) Auto only	KNP	S	S	S	S	S	S	S
***42mm Hole FOD with Rubber Grommet								
Fwd Lamp Harness with In-Line Connector								
Mntg. Location for Snow Plow Controls								
Suggested Optional Equipment :								
Battery 730 CCA - Gasoline Engines	6C5	A	A	A	A	A	A	A
3.73 Rear Axle Ratio	GT4	B	B	B	B	B	B	B
4.10 Rear Axle Ratio	GT5	A	A	A	A	A	A	A

Special Applications - Full Size K Series (4x4)

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Skid Plate, "Off Road" - Included with Z71	NZZ	A & Y	A & Y	A & Y	A & Y	A & Y	A & Y	A & Y
Engine Block Heater (Req'd for Canada - opt. Z49)	K05	A	A	A	A	A	A	A
Locking Differential - Included with (NHT) Max Trailering Pack or (PCY) Towing Package or axle ratio GT5	G80							
Rear Window Defogger (N/A with A48 on Ext. & Crew Cabs) (Reqs. C67 AC on Reg. Cabs)	C49	A	A	A	A	A	A	A
Sliding Rear Window not avail. with C49	A48	N/A	A	A	A	A	A	A
Windshield Washer Fluid System, Heated (Reqs. Opt. YE9 or SLT)	XA7	A	A	A	A	A	A	A

* = DIESEL / k = x 1000 / s = SRW / d = DRW

Federal Motor Vehicle Safety Standards

CMVSS 105 and FMVSS 105 – HYDRAULIC AND ELECTRIC BRAKE SYSTEMS

Applies to all types of Incomplete Vehicles Contained in this Document

Greater than 3500 kg (7,716 lb) GVWR

TYPE 2 The following statement is applicable to all types of Incomplete Vehicles contained in this document with a greater than 3500 kg (7,716 lb) GVWR, (unless otherwise noted on the cover).

This incomplete vehicle when completed will conform to CMVSS 105 and FMVSS 105 provided it is completed in accordance with the following specific conditions by the (intermediate and) final stage manufacturer:

- A. Providing no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location or vital spatial clearances of the components, assemblies or systems, as manufactured by General Motors, including but not limited to those listed below (if equipped):

Anti-Lock Brake System

Brake assemblies and components (service/parking) - (power boosters, master cylinder, wheel cylinder, calipers, wheel speed sensor, wheel speed sensor wiring, brake lining, etc.)

Brake pedal, brake switch, parking brake hand lever or park brake switch and related mechanical components

Brake system electrical controls and logic

Gauges and warning devices, and statements

Hydraulic brake fluid and reservoirs

Hydraulic brake lines, fittings and routings

Hydraulic brake valves and components

Master cylinder-warning statement

Parking brake actuator and related mechanical components

Power steering or vacuum lines and routing

Power steering or vacuum pump

Tires and Wheels

Vacuum brake lines, fittings and routings

Vehicle wiring harnesses

Wheelbases

- B. GVWR, GAWR front and rear weight ratings as listed on the Incomplete Vehicle Label affixed to the front cover of this document must not be exceeded.
- C. The center of gravity of the total vehicle falls within the areas referenced on the “ALLOWABLE CENTER OF GRAVITY CHART” that follows. Instructions for determining the allowable center of gravity variation are listed below:

These charts detail the envelope of allowable center of gravity variation for completed vehicles. This is significant for the lightly loaded portion of FMVSS 105, which is defined as curb plus 181.4 kg (400 lb) distributed in the driver-passenger area of the vehicle for vehicles with GVWR of 4536 kg (10,000 lb) or less or as curb plus 226.8 kg (500 lb) distributed in the driver-passenger area of the vehicle for vehicles with GVWR greater than 4536 kg (10,000 lb).

The lightly loaded center of gravity of complete vehicles needs to be restricted so it will meet FMVSS 105 stopping distances. The laden center of gravity does not need to be specified as it is controlled within the CMVSS 105 and FMVSS 105 test procedure by specific instructions as to how ballast is to be placed (while height is not controlled, it is assumed that for test purposes it would be reasonable).

For upfitter use, the center of gravity location can be approximated by the following formula:

$$d = \frac{Wrc + Wrb + [(Hp)(Wp)/WB]}{Wt}$$

$$h = \frac{[h1Wc + h2Wb + (h3)(Wp)]}{Wt}$$

d = horizontal distance from front wheels to completed vehicle center of gravity mm (in)

h = vertical distance from ground to completed vehicle center of gravity mm (in)

Wrc = rear component of Chassis weight kg (lb)

Wrb = rear component of body weight kg (lb)

WB = vehicle wheelbase mm (in)

Wt = total weight of chassis and body kg (lb) plus 181.4 kg (400 lb) for vehicles with GVWR of 4536 kg (10,000 lb) or less.

Wt = total weight of chassis and body kg (lb) plus 226.8 kg (500 lb) for vehicles with GVWR greater than 4536 kg (10,000 lb).

h1 = center of gravity height from ground of the Bare Chassis = 743 mm (29.25 in)

Wc = total weight of Chassis kg (lb)

h2 = center of gravity height of body from ground mm (in)

Wb = total weight of body kg (lb)

Wp = 181.4 kg (400 lb) Amount from lightly loaded definition that is evenly distributed in driver-passenger area of vehicle for vehicles with GVWR of 4536 kg (10,000 lb) or less.

Wp = 226.8 kg (500 lb) Amount from lightly loaded definition that is evenly distributed in driver-passenger area of vehicle for vehicles with GVWR greater than 4536 kg (10,000 lb).

Hp = 1482 mm (58.35 in) Horizontal distance from front axle to center of gravity of 181.4 kg (400 lb) or 226.8 kg (500 lb) evenly distributed in driver-passenger area of vehicle.

h3 = 1013 mm (39.88 in) Vertical center of gravity height of 181.4 kg (400 lb) evenly distributed in driver-passenger area for vehicles with GVWR of 4536 kg (10,000 lb) or less.

h3 = 1013 mm (39.88 in) Vertical center of gravity height of 226.8 kg (500 lb) evenly distributed in driver-passenger area for vehicles with GVWR greater than 4536 kg (10,000 lb).

Special Applications - Full Size K Series (4x4)

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CMVSS 105 and FMVSS 105

ALLOWABLE CENTER OF GRAVITY CHARTS

Model	GVWR kg (lb)	Brake System	Wheel- Base mm (in)	Rear Wheel	Incomplete, Pickup Box Removal, or Snow Plow Prep Package Vehicles							
					Coordinates of Allowable C/G Variation at CMVSS/FMVSS Unladen, Curb Weight + 181.4 kg (400 lb) or 226.8 kg (500 lb) as defined by CMVSS 105 and FMVSS 105 mm (in)						Fwd C/G Limit mm (in)	RRwd C/G Limit mm (in)
					H ₁	H ₂	A	B	C	D	E	F
C25743	4309 (9,500)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1288 (50.7)	1542 (60.7)	2785 (109.6)	3039 (119.6)	1367 (53.8)	2733 (107.6)
C25743	4491 (9,900)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1288 (50.7)	1542 (60.7)	2785 (109.6)	3039 (119.6)	1367 (53.8)	2733 (107.6)
C25743	4536 (10,000)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1288 (50.7)	1542 (60.7)	2785 (109.6)	3039 (119.6)	1367 (53.8)	2733 (107.6)
C25753	4309 (9,500)	J95	3662 (144.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1467 (57.8)	2618 (103.1)	2871 (113.0)	1282 (50.5)	2564 (100.9)
C25753	4491 (9,900)	J95	3662 (144.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1467 (57.8)	2618 (103.1)	2871 (113.0)	1282 (50.5)	2564 (100.9)
C25753	4536 (10,000)	J95	3662 (144.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1467 (57.8)	2618 (103.1)	2871 (113.0)	1282 (50.5)	2564 (100.9)
C25903	4218 (9,300)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1131 (44.5)	1385 (54.5)	2433 (95.8)	2687 (105.8)	1188 (46.8)	2377 (93.6)
C25903	4491 (9,900)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1131 (44.5)	1385 (54.5)	2433 (95.8)	2687 (105.8)	1188 (46.8)	2377 (93.6)

Special Applications - Full Size K Series (4x4)

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Model	GVWR kg (lb)	Brake System	Wheel- Base mm (in)	Rear Wheel	Incomplete, Pickup Box Removal, or Snow Plow Prep Package Vehicles							
					Coordinates of Allowable C/G Variation at CMVSS/FMVSS Unladen, Curb Weight + 181.4 kg (400 lb) or 226.8 kg (500 lb) as defined by CMVSS 105 and FMVSS 105 mm (in)						Fwd C/G Limit mm (in)	RRwd C/G Limit mm (in)
					H ₁	H ₂	A	B	C	D	E	F
C25903	4536 (10,000)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1131 (44.5)	1385 (54.5)	2433 (95.8)	2687 (105.8)	1188 (46.8)	2377 (93.6)
C25943	4309 (9,500)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1397 (55.0)	1651 (65.0)	3031 (119.3)	3284 (129.3)	1491 (58.7)	2982 (117.4)
C25943	4491 (9,900)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1397 (55.0)	1651 (65.0)	3031 (119.3)	3284 (129.3)	1491 (58.7)	2982 (117.4)
C25943	4536 (10,000)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1397 (55.0)	1651 (65.0)	3031 (119.3)	3284 (129.3)	1491 (58.7)	2982 (117.4)
C25953	4309 (9,500)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1323 (52.1)	1576 (62.0)	2863 (112.7)	3117 (122.7)	1406 (55.4)	2812 (110.7)
C25953	4491 (9,900)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1323 (52.1)	1576 (62.0)	2863 (112.7)	3117 (122.7)	1406 (55.4)	2812 (110.7)
C25953	4536 (10,000)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1323 (52.1)	1576 (62.0)	2863 (112.7)	3117 (122.7)	1406 (55.4)	2812 (110.7)
C35743	4536 (10,000)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1288 (50.7)	1542 (60.7)	2785 (109.6)	3039 (119.6)	1367 (53.8)	2733 (107.6)
C35743	4763 (10,500)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1074 (42.3)	1286 (50.6)	2971 (117.0)	3182 (125.3)	1288 (50.7)	2928 (115.3)

Special Applications - Full Size K Series (4x4)

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Model	GVWR kg (lb)	Brake System	Wheel- Base mm (in)	Rear Wheel	Incomplete, Pickup Box Removal, or Snow Plow Prep Package Vehicles							
					Coordinates of Allowable C/G Variation at CMVSS/FMVSS Unladen, Curb Weight + 181.4 kg (400 lb) or 226.8 kg (500 lb) as defined by CMVSS 105 and FMVSS 105 mm (in)						Fwd C/G Limit mm (in)	RRwd C/G Limit mm (in)
					H ₁	H ₂	A	B	C	D	E	F
C35743	5035 (11,100)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1074 (42.3)	1286 (50.6)	2971 (117.0)	3182 (125.3)	1288 (50.7)	2928 (115.3)
C35903	4717 (10,400)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	943 (37.1)	1155 (45.5)	2593 (102.1)	2804 (110.4)	1120 (44.1)	2547 (100.3)
C35903	5035 (11,100)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	943 (37.1)	1155 (45.5)	2593 (102.1)	2804 (110.4)	1120 (44.1)	2547 (100.3)
C35903	5908 (13,025)	J96	3395 (133.7)	DRW	304.8 (12.0)	1219.2 (48.0)	943 (37.1)	1155 (45.5)	2593 (102.1)	2804 (110.4)	1120 (44.1)	2547 (100.3)
C35903	6123 (13,500)	J96	3395 (133.7)	DRW	304.8 (12.0)	1219.2 (48.0)	943 (37.1)	1155 (45.5)	2593 (102.1)	2804 (110.4)	1120 (44.1)	2547 (100.3)
C35943	4536 (10,000)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1397 (55.0)	1651 (65.0)	3031 (119.3)	3284 (129.3)	1491 (58.7)	2982 (117.4)
C35943	4853 (10,700)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1165 (45.9)	1377 (54.2)	3235 (127.4)	3446 (135.7)	1406 (55.4)	3195 (125.8)
C35943	5171 (11,400)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1165 (45.9)	1377 (54.2)	3235 (127.4)	3446 (135.7)	1406 (55.4)	3195 (125.8)
C35943	5908 (13,025)	J96	4259 (157.7)	DRW	304.8 (12.0)	1219.2 (48.0)	1165 (45.9)	1377 (54.2)	3235 (127.4)	3446 (135.7)	1406 (55.4)	3195 (125.8)

Special Applications - Full Size K Series (4x4)

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Model	GVWR kg (lb)	Brake System	Wheel- Base mm (in)	Rear Wheel	Incomplete, Pickup Box Removal, or Snow Plow Prep Package Vehicles							
					Coordinates of Allowable C/G Variation at CMVSS/FMVSS Unladen, Curb Weight + 181.4 kg (400 lb) or 226.8 kg (500 lb) as defined by CMVSS 105 and FMVSS 105 mm (in)						Fwd C/G Limit mm (in)	RRwd C/G Limit mm (in)
					H ₁	H ₂	A	B	C	D	E	F
C35953	4536 (10,000)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1323 (52.1)	1576 (62.0)	2863 (112.7)	3117 (122.7)	1406 (55.4)	2812 (110.7)
C35953	4853 (10,700)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1103 (43.4)	1315 (51.8)	3055 (120.3)	3266 (128.6)	1326 (52.2)	3013 (118.6)
C35953	5080 (11,200)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1103 (43.4)	1315 (51.8)	3055 (120.3)	3266 (128.6)	1326 (52.2)	3013 (118.6)
C35953	5908 (13,025)	J96	4017 (158.2)	DRW	304.8 (12.0)	1219.2 (48.0)	1103 (43.4)	1315 (51.8)	3055 (120.3)	3266 (128.6)	1326 (52.2)	3013 (118.6)
C36003	5987 (13,200)	J96	3493 (137.5)	DRW	304.8 (12.0)	1219.2 (48.0)	968 (38.1)	1180 (46.5)	2666 (105.0)	2877 (113.3)	1153 (45.4)	2619 (103.1)
C36043	5987 (13,200)	J96	4356 (171.5)	DRW	304.8 (12.0)	1219.2 (48.0)	1190 (46.9)	1402 (55.2)	3307 (130.2)	3518 (138.5)	1438 (56.6)	3267 (128.6)
C36403	5987 (13,200)	J96	4115 (162.0)	DRW	304.8 (12.0)	1219.2 (48.0)	1128 (44.4)	1340 (52.8)	3128 (123.1)	3339 (131.5)	1358 (53.5)	3086 (121.5)
K25743	4309 (9,500)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1288 (50.7)	1542 (60.7)	2785 (109.6)	3039 (119.6)	1367 (53.8)	2733 (107.6)
K25743	4491 (9,900)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1288 (50.7)	1542 (60.7)	2785 (109.6)	3039 (119.6)	1367 (53.8)	2733 (107.6)

Special Applications - Full Size K Series (4x4)

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Model	GVWR kg (lb)	Brake System	Wheel- Base mm (in)	Rear Wheel	Incomplete, Pickup Box Removal, or Snow Plow Prep Package Vehicles							
					Coordinates of Allowable C/G Variation at CMVSS/FMVSS Unladen, Curb Weight + 181.4 kg (400 lb) or 226.8 kg (500 lb) as defined by CMVSS 105 and FMVSS 105 mm (in)						Fwd C/G Limit mm (in)	RRwd C/G Limit mm (in)
					H ₁	H ₂	A	B	C	D	E	F
K25743	4536 (10,000)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1288 (50.7)	1542 (60.7)	2785 (109.6)	3039 (119.6)	1367 (53.8)	2733 (107.6)
K25753	4309 (9,500)	J95	3662 (144.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1467 (57.8)	2618 (103.1)	2871 (113.0)	1282 (50.5)	2564 (100.9)
K25753	4491 (9,900)	J95	3662 (144.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1467 (57.8)	2618 (103.1)	2871 (113.0)	1282 (50.5)	2564 (100.9)
K25753	4536 (10,000)	J95	3662 (144.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1467 (57.8)	2618 (103.1)	2871 (113.0)	1282 (50.5)	2564 (100.9)
K25903	4309 (9,500)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1131 (44.5)	1385 (54.5)	2433 (95.8)	2687 (105.8)	1188 (46.8)	2377 (93.6)
K25903	4491 (9,900)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1131 (44.5)	1385 (54.5)	2433 (95.8)	2687 (105.8)	1188 (46.8)	2377 (93.6)
K25943	4491 (9,900)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1397 (55.0)	1651 (65.0)	3031 (119.3)	3284 (129.3)	1491 (58.7)	2982 (117.4)
K25943	4536 (10,000)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1397 (55.0)	1651 (65.0)	3031 (119.3)	3284 (129.3)	1491 (58.7)	2982 (117.4)
K25953	4309 (9,500)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1323 (52.1)	1576 (62.0)	2863 (112.7)	3117 (122.7)	1406 (55.4)	2812 (110.7)

Special Applications - Full Size K Series (4x4)

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Model	GVWR kg (lb)	Brake System	Wheel- Base mm (in)	Rear Wheel	Incomplete, Pickup Box Removal, or Snow Plow Prep Package Vehicles							
					Coordinates of Allowable C/G Variation at CMVSS/FMVSS Unladen, Curb Weight + 181.4 kg (400 lb) or 226.8 kg (500 lb) as defined by CMVSS 105 and FMVSS 105 mm (in)						Fwd C/G Limit mm (in)	RRwd C/G Limit mm (in)
					H ₁	H ₂	A	B	C	D	E	F
K25953	4491 (9,900)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1323 (52.1)	1576 (62.0)	2863 (112.7)	3117 (122.7)	1406 (55.4)	2812 (110.7)
K25953	4536 (10,000)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1323 (52.1)	1576 (62.0)	2863 (112.7)	3117 (122.7)	1406 (55.4)	2812 (110.7)
K35743	4536 (10,000)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1288 (50.7)	1542 (60.7)	2785 (109.6)	3039 (119.6)	1367 (53.8)	2733 (107.6)
K35743	4899 (10,800)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1074 (42.3)	1286 (50.6)	2971 (117.0)	3182 (125.3)	1288 (50.7)	2928 (115.3)
K35743	5216 (11,500)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1074 (42.3)	1286 (50.6)	2971 (117.0)	3182 (125.3)	1288 (50.7)	2928 (115.3)
K35903	4536 (10,000)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1131 (44.5)	1385 (54.5)	2433 (95.8)	2687 (105.8)	1188 (46.8)	2377 (93.6)
K35903	4853 (10,700)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	943 (37.1)	1155 (45.5)	2593 (102.1)	2804 (110.4)	1120 (44.1)	2547 (100.3)
K35903	5171 (11,400)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	943 (37.1)	1155 (45.5)	2593 (102.1)	2804 (110.4)	1120 (44.1)	2547 (100.3)
K35903	5908 (13,025)	J96	3395 (133.7)	DRW	304.8 (12.0)	1219.2 (48.0)	943 (37.1)	1155 (45.5)	2593 (102.1)	2804 (110.4)	1120 (44.1)	2547 (100.3)

Special Applications - Full Size K Series (4x4)

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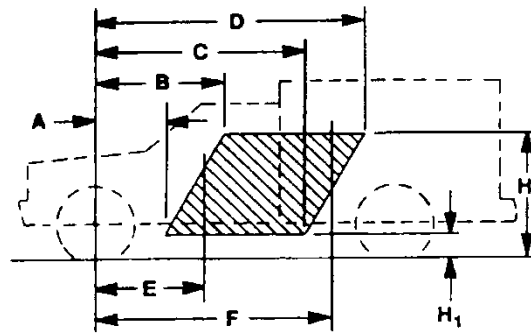
Model	GVWR kg (lb)	Brake System	Wheel- Base mm (in)	Rear Wheel	Incomplete, Pickup Box Removal, or Snow Plow Prep Package Vehicles							
					Coordinates of Allowable C/G Variation at CMVSS/FMVSS Unladen, Curb Weight + 181.4 kg (400 lb) or 226.8 kg (500 lb) as defined by CMVSS 105 and FMVSS 105 mm (in)						Fwd C/G Limit mm (in)	RRwd C/G Limit mm (in)
					H ₁	H ₂	A	B	C	D	E	F
K35903	6078 (13,400)	J96	3395 (133.7)	DRW	304.8 (12.0)	1219.2 (48.0)	943 (37.1)	1155 (45.5)	2593 (102.1)	2804 (110.4)	1120 (44.1)	2547 (100.3)
K35943	4989 (11,000)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1165 (45.9)	1377 (54.2)	3235 (127.4)	3446 (135.7)	1406 (55.4)	3195 (125.8)
K35943	5262 (11,600)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1165 (45.9)	1377 (54.2)	3235 (127.4)	3446 (135.7)	1406 (55.4)	3195 (125.8)
K35943	5908 (13,025)	J96	4259 (157.7)	DRW	304.8 (12.0)	1219.2 (48.0)	1165 (45.9)	1377 (54.2)	3235 (127.4)	3446 (135.7)	1406 (55.4)	3195 (125.8)
K35953	4536 (10,000)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1323 (52.1)	1576 (62.0)	2863 (112.7)	3117 (122.7)	1406 (55.4)	2812 (110.7)
K35953	4989 (11,000)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1103 (43.4)	1315 (51.8)	3055 (120.3)	3266 (128.6)	1326 (52.2)	3013 (118.6)
K35953	5262 (11,600)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1103 (43.4)	1315 (51.8)	3055 (120.3)	3266 (128.6)	1326 (52.2)	3013 (118.6)
K35953	5908 (13,025)	J96	4017 (158.2)	DRW	304.8 (12.0)	1219.2 (48.0)	1103 (43.4)	1315 (51.8)	3055 (120.3)	3266 (128.6)	1326 (52.2)	3013 (118.6)
K36003	5987 (13,200)	J96	3493 (137.5)	DRW	304.8 (12.0)	1219.2 (48.0)	968 (38.1)	1180 (46.5)	2666 (105.0)	2877 (113.3)	1153 (45.4)	2619 (103.1)

Special Applications - Full Size K Series (4x4)

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Model	GVWR kg (lb)	Brake System	Wheel- Base mm (in)	Rear Wheel	Incomplete, Pickup Box Removal, or Snow Plow Prep Package Vehicles							
					Coordinates of Allowable C/G Variation at CMVSS/FMVSS Unladen, Curb Weight + 181.4 kg (400 lb) or 226.8 kg (500 lb) as defined by CMVSS 105 and FMVSS 105 mm (in)						Fwd C/G Limit mm (in)	RRwd C/G Limit mm (in)
					H ₁	H ₂	A	B	C	D	E	F
K36043	5987 (13,200)	J96	4356 (171.5)	DRW	304.8 (12.0)	1219.2 (48.0)	1190 (46.9)	1402 (55.2)	3307 (130.2)	3518 (138.5)	1438 (56.6)	3267 (128.6)
K36403	5987 (13,200)	J96	4115 (162.0)	DRW	304.8 (12.0)	1219.2 (48.0)	1128 (44.4)	1340 (52.8)	3128 (123.1)	3339 (131.5)	1358 (53.5)	3086 (121.5)

SRW = Single Rear Wheel ▪ DRW = Dual Rear Wheel ▪ C/G = Center of Gravity Brake Systems ▪ Hydraulic Powered Boosters – J95, J96



C/G of vehicle in CMVSS or FMVSS unladen condition [Curb + 181.4 kg. (400 lb) or Curb + 226.8 kg. (500 lb) as defined by CMVSS 105 and FMVSS 105] must be inside shaded area – that is, the C/G must be within the trapezoid formed by the coordinates A, B, C, D, H1, & H2, plus the C/G must be to the rear of vertical line E and forward of vertical line F.

CMVSS 126 and FMVSS 126 – ELECTRONIC STABILITY CONTROL SYSTEMS

Applies to all types of Incomplete Vehicles Contained in this Document 4536 kg (10,000 lb) GVWR or less

TYPE 2 The following statement is applicable to all types of incomplete vehicles contained in this document, 4536 kg (10,000 lb) GVWR or less (unless otherwise noted on the cover).

This incomplete vehicle when completed will conform to CMVSS 126 and FMVSS 126 provided it is completed in accordance with the following specific conditions by the (intermediate and) final stage manufacturer:

- A. Providing no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location or vital spatial clearances of the components, assemblies or systems, as manufactured by General Motors, including but not limited to those listed below:

Anti-Lock Brake, Traction Control and Electronic Stability control system, including sensors and control module
Brake assemblies and components (service/ parking) - (i.e. power boosters, master cylinder, wheel cylinder, calipers, rotors, wheel speed sensor, wheel speed sensor wiring, brake lining etc.)
Brake pedal, brake switch, parking brake hand lever or park brake switch and related mechanical components
Brake system electrical controls and logic
Gauges and warning devices, and statements
Hydraulic brake fluid and reservoirs
Hydraulic brake lines, fittings and routings
Hydraulic brake valves and components

Master cylinder-warning statement
Owner Manual instructions
Parking brake actuator and related mechanical components
Power steering or vacuum lines and routing
Power steering or vacuum pump
Tires and Wheels
Stability control system, including control module, sensors and software calibrations
Steering control system including related hardware
Suspension components (i.e. bushings, control arms, shocks, springs, sway bars)
Vacuum brake lines, fittings and routings
Vehicle wiring harnesses
Wheelbases

- B. GVWR, GAWR front and rear weight ratings as listed on the Incomplete Vehicle Label affixed to the front cover of this document must not be exceeded.
- C. The Tire Pressures as listed on the Incomplete Vehicle Label affixed to the front cover of this document must be followed
- D. The Maximum Completed Vehicle Unloaded (Curb) restrictions as shown in CMVSS301 and FMVSS 301 Table A, must not be exceeded.
- E. The center of gravity of the total vehicle falls within the areas referenced on the CMVSS 126 and FMVSS 126 Compliance Certification “X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions” charts that follow. Instructions for determining the allowable center of gravity variation are listed below:

CMVSS 126 and FMVSS 126 – ELECTRONIC STABILITY CONTROL SYSTEMS – Compliance Charts

K2XX LD C/K 15903 (Regular Cab), Bridgestone Dueler AT LT265/70R17 (RC5) Tire CMVSS 126 and FMVSS 126 Compliance Certification “X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions”						
@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)	Model Identification	@ Y – Lateral CG Offset Location cm (in)				
		-10 (-3.9)	-5 (-2)	0	5 (2)	10 (3.9)
140 (55.1)	C15903	80.3 (33.68)	83.1 (34.66)	83.1 (35.65)	83.1 (34.66)	80.3 (33.68)
	K15903	80.3 (33.68)	83.1 (34.66)	83.1 (35.65)	83.1 (34.66)	80.3 (33.68)
150 (59.1)	C15903	80.3 (33.68)	87.6 (34.66)	88.5 (35.65)	87.6 (34.66)	80.3 (33.68)
	K15903	80.3 (33.68)	87.6 (34.66)	88.5 (35.65)	87.6 (34.66)	80.3 (33.68)
160 (63.0)	C15903	84.9 (33.68)	92.1 (34.66)	93.9 (35.65)	92.1 (34.66)	84.9 (33.68)
	K15903	84.9 (33.68)	92.1 (34.66)	93.9 (35.65)	92.1 (34.66)	84.9 (33.68)
170 (66.9)	C15903	91.2 (35.65)	91.2 (35.65)	91.2 (35.65)	91.2 (35.65)	91.2 (35.65)
	K15903	91.2 (35.65)	91.2 (35.65)	91.2 (35.65)	91.2 (35.65)	91.2 (35.65)
180 (70.9)	C15903	88.5 (35.80)	88.5 (36.43)	91.2 (35.65)	88.5 (35.80)	88.5 (36.43)
	K15903	88.5 (35.80)	88.5 (36.43)	91.2 (35.65)	88.5 (35.80)	88.5 (36.43)
190 (74.8)	C15903	88.5 (35.80)	91.2 (35.65)	91.2 (35.65)	91.2 (35.65)	88.5 (35.80)
	K15903	88.5 (35.80)	91.2 (35.65)	91.2 (35.65)	91.2 (35.65)	88.5 (35.80)
200 (78.7)	C15903	74.9	82.2	87.1	82.2	74.9

Special Applications - Full Size K Series (4x4)

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K2XX LD C/K 15903 (Regular Cab), Bridgestone Dueler AT LT265/70R17 (RC5) Tire CMVSS 126 and FMVSS 126 Compliance Certification “X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions”						
@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)	Model Identification	@ Y – Lateral CG Offset Location cm (in)				
		-10 (-3.9)	-5 (-2)	0	5 (2)	10 (3.9)
210 (82.7)	K15903	(35.80)	(35.80)	(34.31)	(35.80)	(35.80)
		74.9	82.2	87.1	82.2	74.9
		(35.80)	(35.80)	(34.31)	(35.80)	(35.80)
	C15903	74.9	74.9	74.9	74.9	74.9
		(35.80)	(36.43)	(37.22)	(36.43)	(35.80)
	K15903	74.9	74.9	74.9	74.9	74.9
		(35.80)	(36.43)	(37.22)	(36.43)	(35.80)
		^^^ Maximum Z – Vertical CG Height Restriction Values ^^^ NOTE: Minimum Z – Vertical Height Restriction Value is 30.5 cm (12 in) for all models above				

Special Applications - Full Size K Series (4x4)

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K2XX HD C/K 25903 (Regular Cab) Firestone Transforce HT ALS LT245/75R17/E (QHJ) Tire Bridgestone Duravis M700 AT LT265/70R17/E (QXT) Tire Goodyear Wrangler SR-A ALS LT265/70R18/E (QWF) Tire CMVSS 126 and FMVSS 126 Compliance Certification "X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions"						
@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)	Model Identification	@ Y – Lateral CG Offset Location cm (in)				
		-10 (-3.9)	-5 (-2)	0	5 (2)	10 (3.9)
140 (55.1)	C25903	86.7 (34.1)	90.5 (35.6)	91.5 (36.0)	90.5 (35.6)	86.7 (34.1)
	K25903	86.7 (34.1)	90.5 (35.6)	91.5 (36.0)	90.5 (35.6)	86.7 (34.1)
150 (59.1)	C25903	86.7 (34.1)	90.5 (35.6)	93.3 (36.7)	90.5 (35.6)	86.7 (34.1)
	K25903	86.7 (34.1)	90.5 (35.6)	93.3 (36.7)	90.5 (35.6)	86.7 (34.1)
160 (63.0)	C25903	91.0 (35.8)	92.3 (36.4)	94.9 (37.4)	92.3 (36.4)	91.0 (35.8)
	K25903	91.0 (35.8)	92.3 (36.4)	94.9 (37.4)	92.3 (36.4)	91.0 (35.8)
170 (66.9)	C25903	91.0 (35.8)	94.0 (37.0)	94.9 (37.4)	94.0 (37.0)	91.0 (35.8)
	K25903	91.0 (35.8)	94.0 (37.0)	94.9 (37.4)	94.0 (37.0)	91.0 (35.8)
180 (70.9)	C25903	91.0 (35.8)	94.0 (37.0)	94.9 (37.4)	94.0 (37.0)	91.0 (35.8)
	K25903	91.0 (35.8)	94.0 (37.0)	94.9 (37.4)	94.0 (37.0)	91.0 (35.8)
190 (74.8)	C25903	82.5 (32.5)	89.0 (35.1)	95.5 (37.6)	89.0 (35.1)	82.5 (32.5)
	K25903	82.5	89.0	95.5	89.0	82.5

Special Applications - Full Size K Series (4x4)

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		(32.5)	(35.1)	(37.6)	(35.1)	(32.5)
200 (78.7)	C25903	82.5	89.0	95.5	89.0	82.5
		(32.5)	(35.1)	(37.6)	(35.1)	(32.5)
	K25903	82.5	89.0	95.5	89.0	82.5
		(32.5)	(35.1)	(37.6)	(35.1)	(32.5)
		^^^ Maximum Z – Vertical CG Height Restriction Values ^^^ NOTE: Minimum Z – Vertical Height Restriction Value is 30.5 cm (12 in) for all models above				

K2XX HD C/K 25903 (Regular Cab) Michelin LTX AT2 LT265/70R18/E (QGM) Tire CMVSS 126 and FMVSS 126 Compliance Certification "X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions"						
@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)	Model Identification	@ Y – Lateral CG Offset Location cm (in)				
		-10 (-3.9)	-5 (-2)	0	5 (2)	10 (3.9)
140 (55.1)	C25903	81.7 (32.2)	86.5 (34.1)	86.5 (34.1)	86.5 (34.1)	81.7 (32.2)
	K25903	81.7 (32.2)	86.5 (34.1)	86.5 (34.1)	86.5 (34.1)	81.7 (32.2)
150 (59.1)	C25903	86.5 (34.1)	86.5 (34.1)	88.2 (34.7)	86.5 (34.1)	86.5 (34.1)
	K25903	86.5 (34.1)	86.5 (34.1)	88.2 (34.7)	86.5 (34.1)	86.5 (34.1)
160 (63.0)	C25903	86.5 (34.1)	90.0 (35.4)	90.0 (35.4)	90.0 (35.4)	86.5 (34.1)
	K25903	86.5 (34.1)	90.0 (35.4)	90.0 (35.4)	90.0 (35.4)	86.5 (34.1)
170 (66.9)	C25903	86.5 (34.1)	89.0 (35.1)	91.8 (36.2)	89.0 (35.1)	86.5 (34.1)
	K25903	86.5 (34.1)	89.0 (35.1)	91.8 (36.2)	89.0 (35.1)	86.5 (34.1)
180 (70.9)	C25903	86.5 (34.1)	86.5 (34.1)	92.6 (36.5)	86.5 (34.1)	86.5 (34.1)
	K25903	86.5 (34.1)	86.5 (34.1)	92.6 (36.5)	86.5 (34.1)	86.5 (34.1)
190 (74.8)	C25903	86.5 (34.1)	86.5 (34.1)	89.7 (35.3)	86.5 (34.1)	86.5 (34.1)
	K25903	86.5 (34.1)	86.5 (34.1)	89.7 (35.3)	86.5 (34.1)	86.5 (34.1)

Special Applications - Full Size K Series (4x4)

SP | 27

200 (78.7)	C25903	86.5 (34.1)	86.5 (34.1)	88.6 (34.9)	86.5 (34.1)	86.5 (34.1)
	K25903	86.5 (34.1)	86.5 (34.1)	88.6 (34.9)	86.5 (34.1)	86.5 (34.1)
^^^ Maximum Z – Vertical CG Height Restriction Values ^^^ NOTE: Minimum Z – Vertical Height Restriction Value is 30.5 cm (12 in) for all models above						

K2XX HD C/K 25943 (Crew Cab) Firestone Transforce HT ALS LT245/75R17/E (QHJ) Tire Bridgestone Duravis M700 AT LT265/70R17/E (QXT) Tire Goodyear Wrangler SR-A ALS LT265/70R18/E (QWF) Tire CMVSS 126 and FMVSS 126 Compliance Certification "X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions"						
@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)	Model Identification	@ Y – Lateral CG Offset Location cm (in)				
		-10 (-3.9)	-5 (-2)	0	5 (2)	10 (3.9)
160 (63.0)	C25943	84.5 (33.3)	87.0 (34.3)	87.5 (34.5)	87.0 (34.3)	84.5 (33.3)
	K25943	84.5 (33.3)	87.0 (34.3)	87.5 (34.5)	87.0 (34.3)	84.5 (33.3)
170 (66.9)	C25943	84.5 (33.3)	87.0 (34.3)	89.5 (35.3)	87.0 (34.3)	84.5 (33.3)
	K25943	84.5 (33.3)	87.0 (34.3)	89.5 (35.3)	87.0 (34.3)	84.5 (33.3)
180 (70.9)	C25943	84.5 (33.3)	87.0 (34.3)	89.5 (35.3)	87.0 (34.3)	84.5 (33.3)
	K25943	84.5 (33.3)	87.0 (34.3)	89.5 (35.3)	87.0 (34.3)	84.5 (33.3)
190 (74.8)	C25943	84.5 (33.3)	87.0 (34.3)	89.5 (35.3)	87.0 (34.3)	84.5 (33.3)
	K25943	84.5 (33.3)	87.0 (34.3)	89.5 (35.3)	87.0 (34.3)	84.5 (33.3)
200 (78.7)	C25943	89.5 (35.3)	91.5 (36.0)	93.5 (36.8)	91.5 (36.0)	89.5 (35.3)
	K25943	89.5 (35.3)	91.5 (36.0)	93.5 (36.8)	91.5 (36.0)	89.5 (35.3)
210 (82.7)	C25943	89.5 (35.3)	91.5 (36.0)	93.5 (36.8)	91.5 (36.0)	89.5 (35.3)
	K25943	89.5 (35.3)	91.5 (36.0)	93.5 (36.8)	91.5 (36.0)	89.5 (35.3)

Special Applications - Full Size K Series (4x4)

SP | 29

220 (86.6)	C25943	89.5 (35.3)	91.5 (36.0)	93.5 (36.8)	91.5 (36.0)	89.5 (35.3)
	K25943	89.5 (35.3)	91.5 (36.0)	93.5 (36.8)	91.5 (36.0)	89.5 (35.3)
230 (90.6)	C25943	89.5 (35.3)	89.5 (35.3)	93.5 (36.8)	89.5 (35.3)	89.5 (35.3)
	K25943	89.5 (35.3)	89.5 (35.3)	93.5 (36.8)	89.5 (35.3)	89.5 (35.3)
240 (94.5)	C25943	79.5 (31.3)	84.5 (33.3)	91.6 (36.1)	84.5 (33.3)	79.5 (31.3)
	K25943	79.5 (31.3)	84.5 (33.3)	91.6 (36.1)	84.5 (33.3)	79.5 (31.3)
^^^ Maximum Z – Vertical CG Height Restriction Values ^^^ NOTE: Minimum Z – Vertical Height Restriction Value is 30.5 cm (12 in) for all models above						

K2XX HD C/K 25943 (Crew Cab) Michelin LTX AT2 LT265/70R18/E (QGM) Tire CMVSS 126 and FMVSS 126 Compliance Certification "X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions"						
@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)	Model Identification	@ Y – Lateral CG Offset Location cm (in)				
		-10 (-3.9)	-5 (-2)	0	5 (2)	10 (3.9)
160 (63.0)	C25943	82.0 (32.3)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	82.0 (32.3)
	K25943	82.0 (32.3)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	82.0 (32.3)
170 (66.9)	C25943	83.5 (32.9)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	83.5 (32.9)
	K25943	83.5 (32.9)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	83.5 (32.9)
180 (70.9)	C25943	83.5 (32.9)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	83.5 (32.9)
	K25943	83.5 (32.9)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	83.5 (32.9)
190 (74.8)	C25943	83.5 (32.9)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	83.5 (32.9)
	K25943	83.5 (32.9)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	83.5 (32.9)
200 (78.7)	C25943	83.5 (32.9)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	83.5 (32.9)
	K25943	83.5 (32.9)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	83.5 (32.9)
210 (82.7)	C25943	83.5 (32.9)	88.1 (34.7)	85.5 (33.7)	88.1 (34.7)	83.5 (32.9)
	K25943	83.5 (32.9)	88.1 (34.7)	85.5 (33.7)	88.1 (34.7)	83.5 (32.9)

220 (86.6)	C25943	83.5 (32.9)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	83.5 (32.9)
	K25943	83.5 (32.9)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	83.5 (32.9)
230 (90.6)	C25943	83.5 (32.9)	86.0 (33.9)	87.9 (34.6)	86.0 (33.9)	83.5 (32.9)
	K25943	83.5 (32.9)	86.0 (33.9)	87.9 (34.6)	86.0 (33.9)	83.5 (32.9)
240 (94.5)	C25943	83.5 (32.9)	83.5 (32.9)	84.9 (33.4)	84.0 (33.1)	83.5 (32.9)
	K25943	83.5 (32.9)	83.5 (32.9)	84.9 (33.4)	84.0 (33.1)	83.5 (32.9)
^^^ Maximum Z – Vertical CG Height Restriction Values ^^^ NOTE: Minimum Z – Vertical Height Restriction Value is 30.5 cm (12 in) for all models above						

K2XX HD C/K 25953 (Double Cab) Firestone Transforce HT ALS LT245/75R17/E (QHJ) Tire Bridgestone Duravis M700 AT LT265/70R17/E (QXT) Tire Goodyear Wrangler SR-A ALS LT265/70R18/E (QWF) Tire CMVSS 126 and FMVSS 126 Compliance Certification “X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions”						
@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)	Model Identification	@ Y – Lateral CG Offset Location cm (in)				
		-10 (-3.9)	-5 (-2)	0	5 (2)	10 (3.9)
150 (59.1)	C25953	84.5 (33.3)	86.2 (34.0)	88.1 (34.7)	86.2 (34.0)	84.5 (33.3)
	K25953	84.5 (33.3)	86.2 (34.0)	88.1 (34.7)	86.2 (34.0)	84.5 (33.3)
160 (63.0)	C25953	84.5 (33.3)	86.2 (34.0)	88.1 (34.7)	86.2 (34.0)	84.5 (33.3)
	K25953	84.5 (33.3)	86.2 (34.0)	88.1 (34.7)	86.2 (34.0)	84.5 (33.3)
170 (66.9)	C25953	84.5 (33.3)	86.2 (34.0)	88.7 (34.9)	86.2 (34.0)	84.5 (33.3)
	K25953	84.5 (33.3)	86.2 (34.0)	88.7 (34.9)	86.2 (34.0)	84.5 (33.3)
180 (70.9)	C25953	84.9 (33.4)	87.7 (34.5)	88.7 (34.9)	87.7 (34.5)	84.9 (33.4)
	K25953	84.9 (33.4)	87.7 (34.5)	88.7 (34.9)	87.7 (34.5)	84.9 (33.4)
190 (74.8)	C25953	90.3 (35.6)	90.3 (35.6)	92.7 (36.5)	90.3 (35.6)	90.3 (35.6)
	K25953	90.3 (35.6)	90.3 (35.6)	92.7 (36.5)	90.3 (35.6)	90.3 (35.6)
200 (78.7)	C25953	90.3 (35.6)	91.3 (36.0)	92.7 (36.5)	91.3 (36.0)	90.3 (35.6)
	K25953	90.3 (35.6)	91.3 (36.0)	92.7 (36.5)	91.3 (36.0)	90.3 (35.6)

210 (82.7)	C25953	90.3 (35.6)	91.3 (36.0)	92.7 (36.5)	91.3 (36.0)	90.3 (35.6)
	K25953	90.3 (35.6)	91.3 (36.0)	92.7 (36.5)	91.3 (36.0)	90.3 (35.6)
220 (86.6)	C25953	90.3 (35.6)	91.3 (36.0)	92.7 (36.5)	91.3 (36.0)	90.3 (35.6)
	K25953	90.3 (35.6)	91.3 (36.0)	92.7 (36.5)	91.3 (36.0)	90.3 (35.6)
230 (90.6)	C25953	68.5 (27.0)	79.5 (31.3)	89.5 (35.3)	79.5 (31.3)	68.5 (27.0)
	K25953	68.5 (27.0)	79.5 (31.3)	89.5 (35.3)	79.5 (31.3)	68.5 (27.0)
^^^ Maximum Z – Vertical CG Height Restriction Values ^^^ NOTE: Minimum Z – Vertical Height Restriction Value is 30.5 cm (12 in) for all models above						

K2XX HD C/K 25953 (Double Cab) Michelin LTX AT2 LT265/70R18/E (QGM) Tire CMVSS 126 and FMVSS 126 Compliance Certification "X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions"						
@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)	Model Identification	@ Y – Lateral CG Offset Location cm (in)				
		-10 (-3.9)	-5 (-2)	0	5 (2)	10 (3.9)
150 (59.1)	C25953	81.7 (32.2)	81.7 (32.2)	85.5 (33.7)	81.7 (32.2)	81.7 (32.2)
	K25953	81.7 (32.2)	81.7 (32.2)	85.5 (33.7)	81.7 (32.2)	81.7 (32.2)
160 (63.0)	C25953	81.7 (32.2)	81.7 (32.2)	85.5 (33.7)	81.7 (32.2)	81.7 (32.2)
	K25953	81.7 (32.2)	81.7 (32.2)	85.5 (33.7)	81.7 (32.2)	81.7 (32.2)
170 (66.9)	C25953	81.7 (32.2)	81.7 (32.2)	85.5 (33.7)	81.7 (32.2)	81.7 (32.2)
	K25953	81.7 (32.2)	81.7 (32.2)	85.5 (33.7)	81.7 (32.2)	81.7 (32.2)
180 (70.9)	C25953	81.7 (32.2)	81.7 (32.2)	85.5 (33.7)	81.7 (32.2)	81.7 (32.2)
	K25953	81.7 (32.2)	81.7 (32.2)	85.5 (33.7)	81.7 (32.2)	81.7 (32.2)
190 (74.8)	C25953	81.7 (32.2)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	81.7 (32.2)
	K25953	81.7 (32.2)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	81.7 (32.2)
200 (78.7)	C25953	81.7 (32.2)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	81.7 (32.2)
	K25953	81.7 (32.2)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	81.7 (32.2)

Special Applications - Full Size K Series (4x4)

SP | 35

210 (82.7)	C25953	81.7 (32.2)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	81.7 (32.2)
	K25953	81.7 (32.2)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	81.7 (32.2)
220 (86.6)	C25953	81.7 (32.2)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	81.7 (32.2)
	K25953	81.7 (32.2)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	81.7 (32.2)
230 (90.6)	C25953	80.1 (31.6)	80.1 (31.6)	80.1 (31.6)	80.1 (31.6)	80.1 (31.6)
	K25953	80.1 (31.6)	80.1 (31.6)	80.1 (31.6)	80.1 (31.6)	80.1 (31.6)
^^^ Maximum Z – Vertical CG Height Restriction Values ^^^ NOTE: Minimum Z – Vertical Height Restriction Value is 30.5 cm (12 in) for all models above						

Special Applications - Full Size K Series (4x4)

SP | 36

K2XX HD C/K 35903 (Regular Cab) Michelin LTX AT2 LT265/70R18/E (QGM) Tire CMVSS 126 and FMVSS 126 Compliance Certification "X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions"						
@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)	Model Identification	@ Y – Lateral CG Offset Location cm (in)				
		-10 (-3.9)	-5 (-2)	0	5 (2)	10 (3.9)
140 (55.1)	C35903	85.7 (33.7)	87.5 (34.4)	87.5 (34.4)	87.5 (34.4)	85.7 (33.7)
	K35903	85.7 (33.7)	87.5 (34.4)	87.5 (34.4)	87.5 (34.4)	85.7 (33.7)
150 (59.1)	C35903	85.7 (33.7)	89.3 (35.2)	89.3 (35.2)	89.3 (35.2)	85.7 (33.7)
	K35903	85.7 (33.7)	89.3 (35.2)	89.3 (35.2)	89.3 (35.2)	85.7 (33.7)
160 (63.0)	C35903	85.7 (33.7)	92.1 (36.3)	94.0 (37.0)	92.1 (36.3)	85.7 (33.7)
	K35903	85.7 (33.7)	92.1 (36.3)	94.0 (37.0)	92.1 (36.3)	85.7 (33.7)
170 (66.9)	C35903	85.7 (33.7)	92.1 (36.3)	94.0 (37.0)	92.1 (36.3)	85.7 (33.7)
	K35903	85.7 (33.7)	92.1 (36.3)	94.0 (37.0)	92.1 (36.3)	85.7 (33.7)
180 (70.9)	C35903	85.7 (33.7)	86.6 (34.1)	94.0 (37.0)	86.6 (34.1)	85.7 (33.7)
	K35903	85.7 (33.7)	86.6 (34.1)	94.0 (37.0)	86.6 (34.1)	85.7 (33.7)
190 (74.8)	C35903	85.7 (33.7)	86.6 (34.1)	91.2 (35.9)	86.6 (34.1)	85.7 (33.7)
	K35903	85.7 (33.7)	86.6 (34.1)	91.2 (35.9)	86.6 (34.1)	85.7 (33.7)
200 (78.7)	C35903	85.7	86.6	91.2	86.6	85.7

Special Applications - Full Size K Series (4x4)

SP | 37

	K35903	(33.7)	(34.1)	(35.9)	(34.1)	(33.7)
		85.7	86.6	91.2	86.6	85.7
		(33.7)	(34.1)	(35.9)	(34.1)	(33.7)
		^^^ Maximum Z – Vertical CG Height Restriction Values ^^^				
		NOTE: Minimum Z – Vertical Height Restriction Value is 30.5 cm (12 in) for all models above				

K2XX HD C/K 35943 (Crew Cab) Goodyear Wrangler SR-A ALS LT265/70R18/E (QWF) Tire CMVSS 126 and FMVSS 126 Compliance Certification "X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions"						
@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)	Model Identification	@ Y – Lateral CG Offset Location cm (in)				
		-10 (-3.9)	-5 (-2)	0	5 (2)	10 (3.9)
160 (63.0)	C35943	87.4 (34.4)	91.9 (36.2)	91.9 (36.2)	91.9 (36.2)	87.4 (34.4)
	K35943	87.4 (34.4)	91.9 (36.2)	91.9 (36.2)	91.9 (36.2)	87.4 (34.4)
170 (66.9)	C35943	87.4 (34.4)	94.2 (37.1)	94.2 (37.1)	94.2 (37.1)	87.4 (34.4)
	K35943	87.4 (34.4)	94.2 (37.1)	94.2 (37.1)	94.2 (37.1)	87.4 (34.4)
180 (70.9)	C35943	93.0 (36.6)	94.2 (37.1)	98.6 (38.8)	94.2 (37.1)	93.0 (36.6)
	K35943	93.0 (36.6)	94.2 (37.1)	98.6 (38.8)	94.2 (37.1)	93.0 (36.6)
190 (74.8)	C35943	93.0 (36.6)	97.5 (38.4)	98.6 (38.8)	97.5 (38.4)	93.0 (36.6)
	K35943	93.0 (36.6)	97.5 (38.4)	98.6 (38.8)	97.5 (38.4)	93.0 (36.6)
200 (78.7)	C35943	93.0 (36.6)	97.5 (38.4)	98.6 (38.8)	97.5 (38.4)	93.0 (36.6)
	K35943	93.0 (36.6)	97.5 (38.4)	98.6 (38.8)	97.5 (38.4)	93.0 (36.6)
210 (82.7)	C35943	93.0 (36.6)	95.3 (37.5)	97.5 (38.4)	95.3 (37.5)	93.0 (36.6)
	K35943	93.0 (36.6)	95.3 (37.5)	97.5 (38.4)	95.3 (37.5)	93.0 (36.6)
220 (86.6)	C35943	79.5 (31.3)	95.3 (37.5)	97.5 (38.4)	95.3 (37.5)	79.5 (31.3)

Special Applications - Full Size K Series (4x4)

SP | 39

	K35943	79.5 (31.3)	95.3 (37.5)	97.5 (38.4)	95.3 (37.5)	79.5 (31.3)
230 (90.6)	C35943	79.5 (31.3)	84.5 (33.3)	91.6 (36.1)	84.5 (33.3)	79.5 (31.3)
	K35943	79.5 (31.3)	84.5 (33.3)	91.6 (36.1)	84.5 (33.3)	79.5 (31.3)
240 (94.5)	C35943	79.5 (31.3)	84.5 (33.3)	91.6 (36.1)	84.5 (33.3)	79.5 (31.3)
	K35943	79.5 (31.3)	84.5 (33.3)	91.6 (36.1)	84.5 (33.3)	79.5 (31.3)
^^^ Maximum Z – Vertical CG Height Restriction Values ^^^ NOTE: Minimum Z – Vertical Height Restriction Value is 30.5 cm (12 in) for all models above						

K2XX HD C/K 35953 (Double Cab) Michelin LTX AT2 LT265/70R18/E (QGM) Tire CMVSS 126 and FMVSS 126 Compliance Certification "X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions"						
@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)	Model Identification	@ Y – Lateral CG Offset Location cm (in)				
		-10 (-3.9)	-5 (-2)	0	5 (2)	10 (3.9)
150 (59.1)	C35953	81.2 (32.0)	81.2 (32.0)	85.5 (33.7)	81.2 (32.0)	81.2 (32.0)
	K35953	81.2 (32.0)	81.2 (32.0)	85.5 (33.7)	81.2 (32.0)	81.2 (32.0)
160 (63.0)	C35953	81.2 (32.0)	81.2 (32.0)	85.5 (33.7)	81.2 (32.0)	81.2 (32.0)
	K35953	81.2 (32.0)	81.2 (32.0)	85.5 (33.7)	81.2 (32.0)	81.2 (32.0)
170 (66.9)	C35953	82.2 (32.4)	84.4 (33.2)	85.5 (33.7)	84.4 (33.2)	82.2 (32.4)
	K35953	82.2 (32.4)	84.4 (33.2)	85.5 (33.7)	84.4 (33.2)	82.2 (32.4)
180 (70.9)	C35953	82.2 (32.4)	82.2 (32.4)	91.0 (35.8)	82.2 (32.4)	82.2 (32.4)
	K35953	82.2 (32.4)	82.2 (32.4)	91.0 (35.8)	82.2 (32.4)	82.2 (32.4)
190 (74.8)	C35953	82.2 (32.4)	86.6 (34.1)	91.0 (35.8)	86.6 (34.1)	82.2 (32.4)
	K35953	82.2 (32.4)	86.6 (34.1)	91.0 (35.8)	86.6 (34.1)	82.2 (32.4)
200 (78.7)	C35953	82.2 (32.4)	86.6 (34.1)	91.0 (35.8)	86.6 (34.1)	82.2 (32.4)
	K35953	82.2 (32.4)	86.6 (34.1)	91.0 (35.8)	86.6 (34.1)	82.2 (32.4)
210 (82.7)	C35953	82.2	86.6	91.0	86.6	82.2

Special Applications - Full Size K Series (4x4)

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	K35953	(32.4) 82.2 (32.4)	(34.1) 86.6 (34.1)	(35.8) 91.0 (35.8)	(34.1) 86.6 (34.1)	(32.4) 82.2 (32.4)
220 (86.6)	C35953	70.2 (27.6)	85.5 (33.7)	88.8 (35.0)	85.5 (33.7)	70.2 (27.6)
	K35953	70.2 (27.6)	85.5 (33.7)	88.8 (35.0)	85.5 (33.7)	70.2 (27.6)
230 (90.6)	C35953	70.2 (27.6)	85.5 (33.7)	88.8 (35.0)	85.5 (33.7)	70.2 (27.6)
	K35953	70.2 (27.6)	85.5 (33.7)	88.8 (35.0)	85.5 (33.7)	70.2 (27.6)
^^^ Maximum Z – Vertical CG Height Restriction Values ^^^ NOTE: Minimum Z – Vertical Height Restriction Value is 30.5 cm (12 in) for all models above						

K2XX HD C/K 35953 (Double Cab) Goodyear Wrangler SR-A ALS LT265/70R18/E (QWF) Tire CMVSS 126 and FMVSS 126 Compliance Certification "X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions"						
@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)	Model Identification	@ Y – Lateral CG Offset Location cm (in)				
		-10 (-3.9)	-5 (-2)	0	5 (2)	10 (3.9)
150 (59.1)	C35953	88.8 (35.0)	88.8 (35.0)	94.3 (37.1)	88.8 (35.0)	88.8 (35.0)
	K35953	88.8 (35.0)	88.8 (35.0)	94.3 (37.1)	88.8 (35.0)	88.8 (35.0)
160 (63.0)	C35953	88.8 (35.0)	88.8 (35.0)	94.3 (37.1)	88.8 (35.0)	88.8 (35.0)
	K35953	88.8 (35.0)	88.8 (35.0)	94.3 (37.1)	88.8 (35.0)	88.8 (35.0)
170 (66.9)	C35953	93.2 (36.7)	95.4 (37.6)	94.3 (37.1)	95.4 (37.6)	93.2 (36.7)
	K35953	93.2 (36.7)	95.4 (37.6)	94.3 (37.1)	95.4 (37.6)	93.2 (36.7)
180 (70.9)	C35953	93.2 (36.7)	95.4 (37.6)	99.8 (39.3)	95.4 (37.6)	93.2 (36.7)
	K35953	93.2 (36.7)	95.4 (37.6)	99.8 (39.3)	95.4 (37.6)	93.2 (36.7)
190 (74.8)	C35953	93.2 (36.7)	95.4 (37.6)	98.7 (38.9)	95.4 (37.6)	93.2 (36.7)
	K35953	93.2 (36.7)	95.4 (37.6)	98.7 (38.9)	95.4 (37.6)	93.2 (36.7)
200 (78.7)	C35953	93.2 (36.7)	94.3 (37.1)	98.7 (38.9)	94.3 (37.1)	93.2 (36.7)
	K35953	93.2 (36.7)	94.3 (37.1)	98.7 (38.9)	94.3 (37.1)	93.2 (36.7)
210 (82.7)	C35953	93.2 (36.7)	94.3 (37.1)	98.7 (38.9)	94.3 (37.1)	93.2 (36.7)

Special Applications - Full Size K Series (4x4)

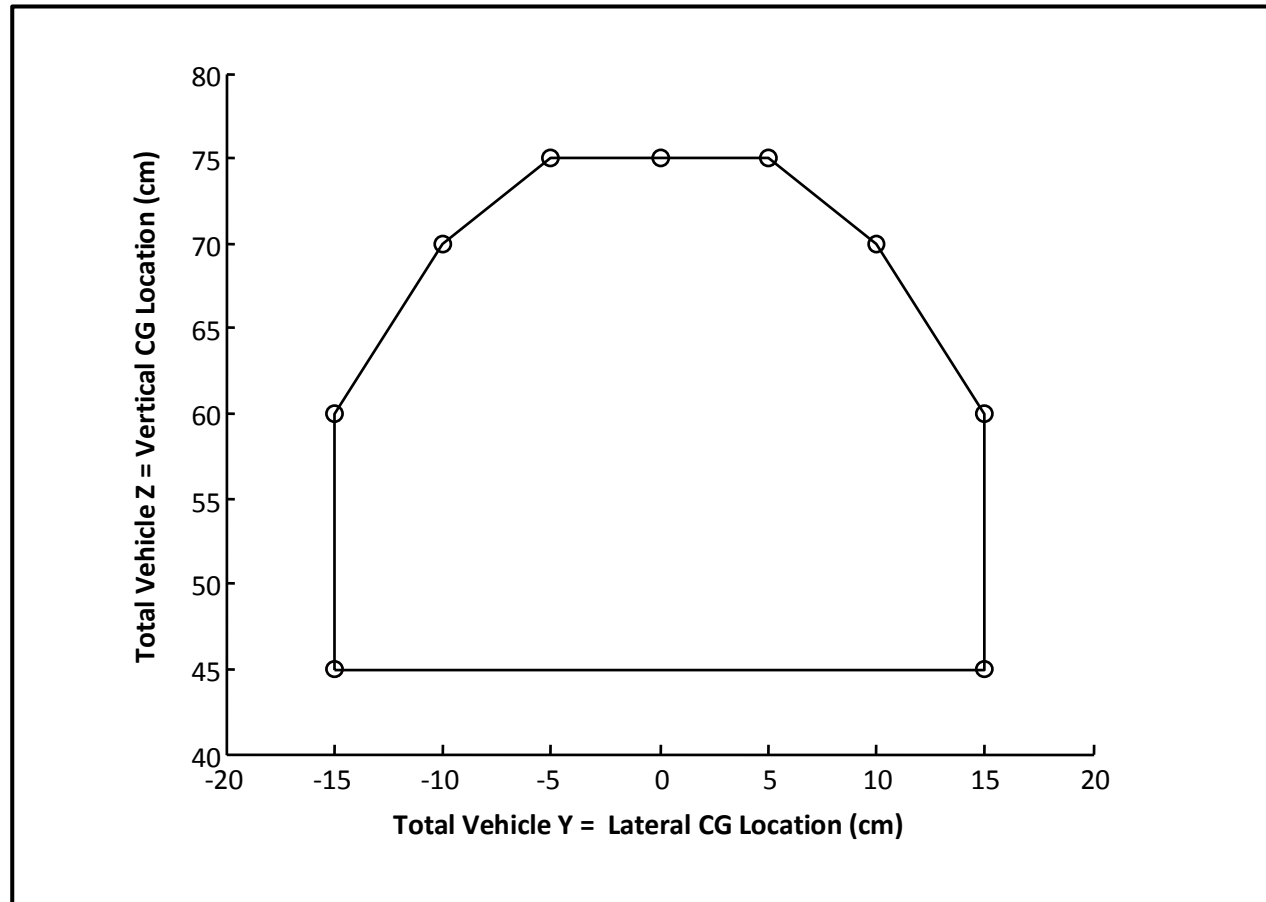
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	K35953	93.2 (36.7)	94.3 (37.1)	98.7 (38.9)	94.3 (37.1)	93.2 (36.7)
220 (86.6)	C35953	93.2 (36.7)	94.3 (37.1)	98.7 (38.9)	94.3 (37.1)	93.2 (36.7)
	K35953	93.2 (36.7)	94.3 (37.1)	98.7 (38.9)	94.3 (37.1)	93.2 (36.7)
230 (90.6)	C35953	79.5 (31.3)	94.3 (37.1)	94.3 (37.1)	94.3 (37.1)	79.5 (31.3)
	K35953	79.5 (31.3)	94.3 (37.1)	94.3 (37.1)	94.3 (37.1)	79.5 (31.3)
^^^ Maximum Z – Vertical CG Height Restriction Values ^^^ NOTE: Minimum Z – Vertical Height Restriction Value is 30.5 cm (12 in) for all models above						

CMVSS 126 and FMVSS 126 Compliance Certification

Y = Lateral and Z = Vertical Center of Gravity Restriction

Visual Representation EXAMPLE shown in centimeters



For upfitter use and applicable to CMVSS 126 and FMVSS 126, the longitudinal and vertical vehicle center of gravity location can be approximated by following the formula below and by referencing data elements within CMVSS 105 and FMVSS 105 – HYDRAULIC AND ELECTRIC BRAKE SYSTEMS or CMVSS 135 and FMVSS 135 LIGHT VEHICLE BRAKE SYSTEMS, ... ALLOWABLE CENTER OF GRAVITY CHARTS.

$$d = \frac{[W_{rc} + W_{rb}] WB}{W_t}$$

$$h = \frac{[h_1 * W_c + h_2 * W_b]}{W_t}$$

d = horizontal distance from front wheels to completed vehicle center of gravity cm (in)

h = vertical distance from ground to completed vehicle center of gravity cm (in)

W_{rc} = rear component of Chassis weight kg (lb)

W_{rb} = rear component of body weight kg (lb)

WB = vehicle wheelbase cm (in)

W_t = total weight of chassis and body kg (lb)

h₁ = center of gravity height from ground of the Bare Chassis:

Based on model applicability, refer to the h₁ values listed in this document within: CMVSS 105/FMVSS 105 - HYDRAULIC AND ELECTRIC BRAKE SYSTEMS, or CMVSS 135/FMVSS 135 - LIGHT VEHICLE BRAKE SYSTEMS.

W_c = total weight of vehicle as manufactured by General Motors kg (lb)

h₂ = center of gravity height of body from ground cm (in)

W_b = total weight of body kg (lb)

In addition, the equation to calculate the lateral vehicle center of gravity location from center of vehicle can be estimated by using the following formula:

lateral offset from centerline of vehicle = $\{[(RF \text{ corner weight kg (lb)} + RR \text{ corner weight kg (lb)}) / (\text{total vehicle weight kg (lb)})] - 0.5\} * \text{vehicle track width of 152 cm (59.8 in)}$

If the lateral offset from centerline of vehicle calculation above results in a positive number, the lateral vehicle offset center of gravity is toward the right side (passenger) of the vehicle.

Alternatively, if the lateral offset from centerline of vehicle calculation above results in a negative number, the lateral vehicle offset center of gravity is toward the left side (driver) of the vehicle.

CMVSS 135 and FMVSS 135 – LIGHT VEHICLE BRAKE SYSTEMS
Applies to all types of Incomplete Vehicles Contained in this Document
3500 kg (7,716 lb) GVWR or less

TYPE 2 The following statement is applicable to all types of Incomplete Vehicles contained in this document with a 3500 kg (7,716 lb) GVWR or less, (unless otherwise noted on the cover).

This incomplete vehicle when completed will conform to CMVSS 135 and FMVSS 135 provided it is completed in accordance with the following specific conditions by the (intermediate and) final stage manufacturer:

- A. Providing no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location or vital spatial clearances of the components, assemblies or systems, as manufactured by General Motors, including but not limited to those listed below (if equipped):

Anti-Lock Brake System Brake assemblies and components (service /parking) - (i.e. power boosters, master cylinder, wheel cylinder, calipers, rotors, wheel speed sensor, wheel speed sensor wiring, brake lining etc.) Brake pedal, brake switch, parking brake hand lever or park brake switch and related mechanical components Brake system electrical controls and logic Gauges and warning devices, and statements Hydraulic brake fluid and reservoirs	Hydraulic brake lines, fittings and routings Hydraulic brake valves and components Master cylinder-warning statement Owner Manual instructions Parking brake actuator and related mechanical components Power steering or vacuum lines and routing Power steering or vacuum pump Tires and Wheels Vacuum brake lines, fittings and routings Vehicle wiring harnesses Wheelbases
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- B. GVWR, GAWR front and rear weight ratings as listed on the Incomplete Vehicle Label affixed to the front cover of this document must not be exceeded.
- C. The center of gravity of the total vehicle falls within the areas referenced on the “ALLOWABLE CENTER OF GRAVITY CHART” that follows. Instructions for determining the allowable center of gravity variation are listed below:

These charts detail the envelope of allowable center of gravity variation for completed vehicles. This is significant for the lightly loaded portion of CMVSS 135 and FMVSS 135, which is defined as curb plus 181.4 kg (400 lb) distributed in the driver-passenger area of the vehicle.

The lightly loaded center of gravity of complete vehicles needs to be restricted so it will meet CMVSS 135 and FMVSS 135 stopping distances. The laden center of gravity does not need to be specified as it is controlled within the CMVSS 135 and FMVSS 135 test procedure by specific instructions as to how ballast is to be placed (while height is not controlled, it is assumed that for test purposes it would be reasonable).

For Body Builder's use, the center of gravity location can be approximated by the following formula:

$$d = \frac{W_{rc} + W_{rb} + [(H_p)(W_p)/WB]}{W_t} WB$$

$$h = \frac{[h_1 W_c + h_2 W_b + (h_3)(W_p)]}{W_t}$$

d = horizontal distance from front wheels to completed vehicle center of gravity mm (in)

h = vertical distance from ground to completed vehicle center of gravity mm (in)

W_{rc} = rear component of Chassis weight kg (lb)

W_{rb} = rear component of body weight kg (lb)

WB = vehicle wheelbase mm (in)

W_t = total weight of chassis and body kg (lb) plus 181.4 kg (400 lb)

h₁ = center of gravity height from ground of the Bare Chassis = 711 mm (28 in)

W_c = total weight of Chassis kg (lb)

h₂ = center of gravity height of body from ground mm (in)

W_b = total weight of body kg (lb)

W_p = 181.4 kg (400 lb) Amount from lightly loaded definition that is evenly distributed in driver-passenger area of vehicle

H_p = 1467 mm (57.76 in) Horizontal distance from front axle to center of gravity of 181.4 kg (400 lb) evenly distributed in driver-passenger area of vehicle.

h₃ = 948 mm (37.32 in) Vertical center of gravity height of 181.4 kg (400 lb) evenly distributed in driver-passenger area for vehicles with 3500 kg (7,716 lb) GVWR or less.

CMVSS 135 and FMVSS 135 ALLOWABLE CENTER OF GRAVITY CHARTS

Model	GVWR kg (lb)	Brake System	Wheel- base mm (in)	Rear Wheel	Incomplete, Pick-Up Box Removal, or Snow Plow Prep Package Vehicles							
					Coordinates of Allowable C/G Variation at CMVSS/FMVSS Unladen, Curb Weight + 181.4 kg (400 lb) mm (in)						Fwd C/G Limit mm (in)	RRwd C/G Limit mm (in)
					H ₁	H ₂	A	B	C	D	E	F
C15703	2948 (6,500)	JD9	3023 (119.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1020 (40.2)	1373 (54.1)	1821 (71.7)	2413 (95.0)	1118 (44.0)	1768 (69.6)
C15703	2994 (6,600)	JD9	3023 (119.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1020 (40.2)	1373 (54.1)	1798 (70.8)	2413 (95.0)	1118 (44.0)	1741 (68.5)
C15703	3039 (6,700)	JD9	3023 (119.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1020 (40.2)	1373 (54.1)	1776 (69.9)	2413 (95.0)	1118 (44.0)	1804 (71.0)
C15703	3062 (6,750)	JD9	3023 (119.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1020 (40.2)	1373 (54.1)	1765 (69.5)	2413 (95.0)	1118 (44.0)	1792 (70.6)
K15703	3039 (6,700)	JD9	3023 (119.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1020 (40.2)	1373 (54.1)	1776 (69.9)	2413 (95.0)	1118 (44.0)	1738 (68.4)
K15703	3084 (6,800)	JD9	3023 (119.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1020 (40.2)	1373 (54.1)	1755 (69.1)	2413 (95.0)	1118 (44.0)	1711 (67.4)
C15903	3039 (6,700)	JD9	3378 (133.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1130 (44.5)	1450 (57.1)	1958 (77.1)	2612 (102.8)	1250 (49.2)	1993 (78.5)
C15903	3084 (6,800)	JD9	3378 (133.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1130 (44.5)	1450 (57.1)	1934 (76.1)	2611 (102.8)	1250 (49.2)	1963 (77.3)
K15903	3130 (6,900)	JD9	3378 (133.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1130 (44.5)	1450 (57.1)	1911 (75.2)	2588 (101.9)	1250 (49.2)	1932 (76.1)
K15903	3175 (7,000)	JD9	3378 (133.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1130 (44.5)	1450 (57.1)	1889 (74.4)	2566 (101.0)	1250 (49.2)	1905 (75.0)
C15753	3130 (6,900)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	2044 (80.5)	2721 (107.1)	1349 (53.1)	2085 (82.1)
C15753	3175 (7,000)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	2020 (79.5)	2697 (106.2)	1349 (53.1)	2056 (80.9)
C15753	3266 (7,200)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1974 (77.7)	2650 (104.3)	1349 (53.1)	2001 (78.8)

Special Applications - Full Size K Series (4x4)

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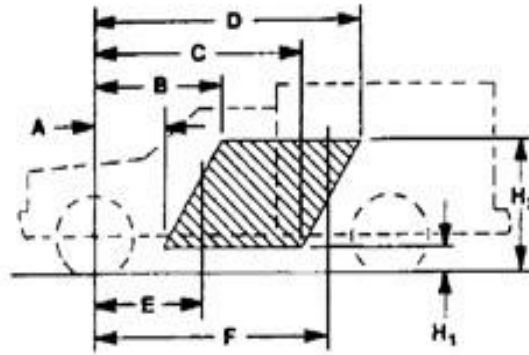
Model	GVWR kg (lb)	Brake System	Wheel- base mm (in)	Rear Wheel	Incomplete, Pick-Up Box Removal, or Snow Plow Prep Package Vehicles							
					Coordinates of Allowable C/G Variation at CMVSS/FMVSS Unladen, Curb Weight + 181.4 kg (400 lb) mm (in)						Fwd C/G Limit mm (in)	RRwd C/G Limit mm (in)
					H ₁	H ₂	A	B	C	D	E	F
C15753	3357 (7,400)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1929 (75.9)	2606 (102.6)	1349 (53.1)	2118 (83.4)
K15753	3221 (7,100)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1996 (78.6)	2673 (105.2)	1349 (53.1)	2027 (79.8)
K15753	3266 (7,200)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1974 (77.7)	2650 (104.3)	1349 (53.1)	2001 (78.8)
K15753	3357 (7,400)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1929 (75.9)	2606 (102.6)	1349 (53.1)	1946 (76.6)
K15753	3447 (7,600)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1888 (74.3)	2564 (100.9)	1349 (53.1)	2063 (81.2)
C15543	3130 (6,900)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	2044 (80.5)	2721 (107.1)	1349 (53.1)	2085 (82.1)
C15543	3175 (7,000)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	2020 (79.5)	2697 (106.2)	1349 (53.1)	2056 (80.9)
C15543	3266 (7,200)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1974 (77.7)	2650 (104.3)	1349 (53.1)	2001 (78.8)
C15543	3357 (7,400)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1929 (75.9)	2606 (102.6)	1349 (53.1)	2118 (83.4)
K15543	3221 (7,100)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1996 (78.6)	2673 (105.2)	1349 (53.1)	2027 (79.8)
K15543	3266 (7,200)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1974 (77.7)	2650 (104.3)	1349 (53.1)	2001 (78.8)
K15543	3357 (7,400)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1929 (75.9)	2606 (102.6)	1349 (53.1)	1946 (76.6)
K15543	3447 (7,600)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1888 (74.3)	2564 (100.9)	1349 (53.1)	2063 (81.2)
C15743	3130 (6,900)	JD9	3886 (153.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1287 (50.7)	1560 (61.4)	2165 (85.2)	2841 (111.9)	1438 (56.6)	2223 (87.5)

Special Applications - Full Size K Series (4x4)

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Model	GVWR kg (lb)	Brake System	Wheel- base mm (in)	Rear Wheel	Incomplete, Pick-Up Box Removal, or Snow Plow Prep Package Vehicles							
					Coordinates of Allowable C/G Variation at CMVSS/FMVSS Unladen, Curb Weight + 181.4 kg (400 lb) mm (in)						Fwd C/G Limit mm (in)	RRwd C/G Limit mm (in)
					H ₁	H ₂	A	B	C	D	E	F
C15743	3175 (7,000)	JD9	3886 (153.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1287 (50.7)	1560 (61.4)	2139 (84.2)	2816 (110.9)	1438 (56.6)	2192 (86.3)
C15743	3266 (7,200)	JD9	3886 (153.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1287 (50.7)	1560 (61.4)	2089 (82.2)	2766 (108.9)	1438 (56.6)	2134 (84.0)
C15743	3357 (7,400)	JD9	3886 (153.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1287 (50.7)	1560 (61.4)	2042 (80.4)	2719 (107.0)	1438 (56.6)	2258 (88.9)
K15743	3221 (7,100)	JD9	3886 (153.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1287 (50.7)	1560 (61.4)	2114 (83.2)	2790 (109.8)	1438 (56.6)	2161 (85.1)
K15743	3266 (7,200)	JD9	3886 (153.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1287 (50.7)	1560 (61.4)	2089 (82.2)	2766 (108.9)	1438 (56.6)	2134 (84.0)
K15743	3357 (7,400)	JD9	3886 (153.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1287 (50.7)	1560 (61.4)	2042 (80.4)	2719 (107.0)	1438 (56.6)	2075 (81.7)
K15743	3447 (7,600)	JD9	3886 (153.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1287 (50.7)	1560 (61.4)	1998 (78.7)	2675 (105.3)	1438 (56.6)	2200 (86.6)

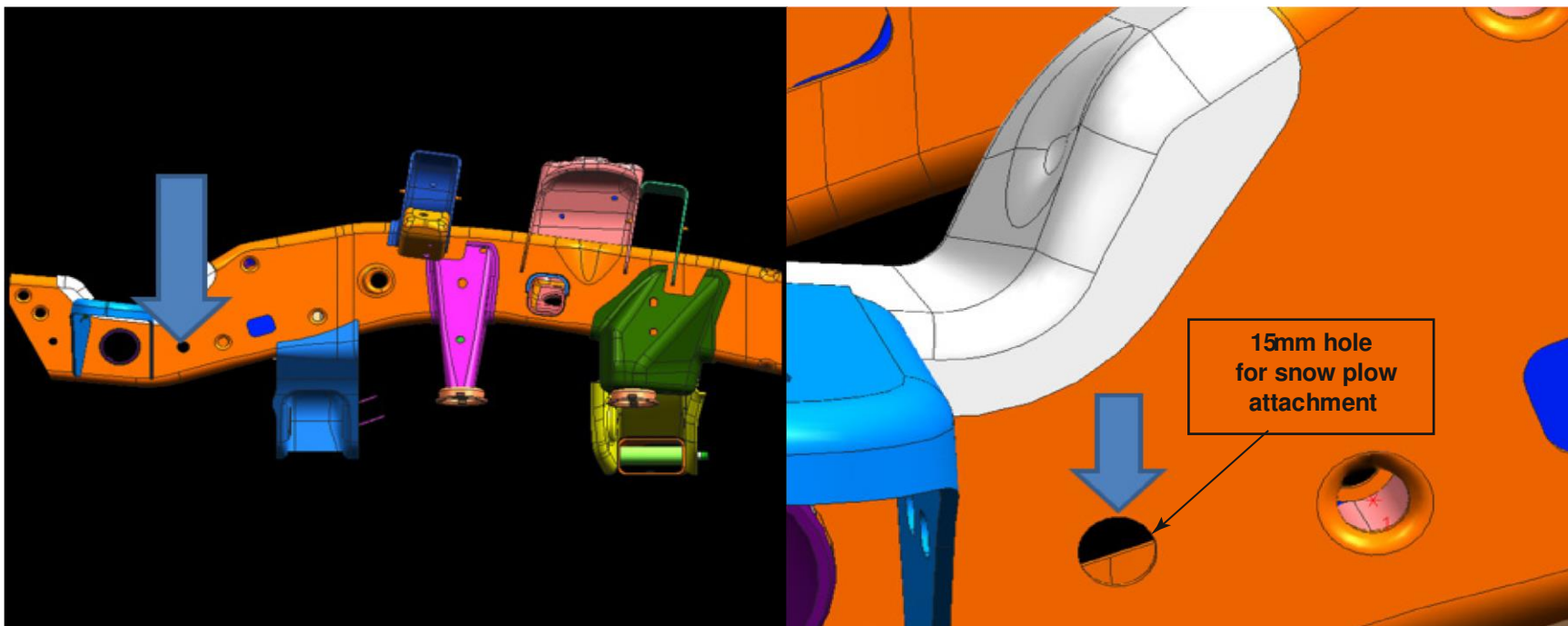
ABS = Antilock Braking System • Brake Systems: Vacuum Powered Boosters - JF3, JF7 and JD9. Hybrid – J92. • C/G = Center of Gravity
DRW = Dual Rear Wheel • SRW = Single Rear Wheel • VSES = Vehicle Stability Enhancement System



C/G of vehicle in CMVSS or FMVSS unladen condition [Curb + 181.4 kg. (400 lb.)] must be inside shaded area – that is, the C/G must be within the trapezoid formed by the coordinates A, B, C, D, H1, & H2, plus the C/G must be to the rear of vertical line E and forward of vertical line F.

'K' Series Snow Plow Best Practices

1. OEM Steering gear, Suspension and Powertrain Component mounting holes & associated OEM fasteners should not be used to attach Snow Plow Mounting equipment.
2. A suggested allowance of 10 mm minimum clearance to stationary OEM components example: Bumper Asm, Steering Box, Cooling System components is highly recommended. Note these components have varying positional tolerances.
3. A suggested allowance of 20 mm minimum clearance to OEM components subject to movement example: Steering Gear,
4. Suspension (A-Arm, Axle, Strut, & Stab Bar asms.) at full jounce is highly recommended. Note these components have varying positional tolerances.
5. Snow Plow & Associated Mounting Equipment should not exceed front axle available payload rating of vehicle as optioned. Plow Blade height, width & mass should be in accordance with Snow Plow Manufacturers recommended requirements for specific vehicle.



'K' Series Snow Plow Applications – Max. Plow/Hardware Weights

K Models - Four Wheel Drive Pickups

Body Style	Engine RPO	Engine Type	15	25	35 SRW	35 DRW
			FGAWR with VYU			
703	LV3	Gas	3950	-	-	-
	L83	Gas	3950	-	-	-
903	LV3	Gas	3950	-	-	-
	L83	Gas	3950	-	-	-
HD 903	L96	Gas	-	5200	5600	5600
	LML	Diesel	-	6000	6000	6000
HD 753	L96	Gas	-	5200	-	-
	LML	Diesel	-	6000	-	-
HD 953	L96	Gas	-	5600	5600	5600
	LML	Diesel	-	6000	6000	6000
HD 743	L96	Gas	-	5200	5600	-
	LML	Diesel	-	6000	6000	-
HD 943	L96	Gas	-	5600	5600	5600
	LML	Diesel	-	6000	6000	6000
Body Style	Engine RPO	Engine Type	15	25	35 SRW	35 DRW
703	LV3	Gas	40/500	-	-	-
	L83	Gas	40/500	-	-	-
903	LV3	Gas	40/500	-	-	-
	L83	Gas	40/500	-	-	-
HD 903	L96	Gas	-	100/900	100/1000	100/1000
	LML	Diesel	-	100/975	100/975	100/925
HD 753	L96	Gas	-	100/775	-	-
	LML	Diesel	-	100/825	-	-
HD 953	L96	Gas	-	100/1000	100/1000	100/1000
	LML	Diesel	-	100/775	100/800	100/775
HD 743	L96	Gas	-	100/725	100/1000	-
	LML	Diesel	-	100/775	100/800	-
HD 943	L96	Gas	-	100/950	100/950	100/925
	LML	Diesel	-	100/700	100/725	100/700

Notes:

100/xxx = 100lbs maximum of permanently attached snow plow mounting hardware and /xxx lbs. maximum of removable snow plow blade and blade hardware.

Maximum plow weights based on a vehicle with average manufacturer option content and 150lbs each for driver and one additional front seat occupant.

Additional equipment and occupants can reduce maximum plow weight.

Rear compensating weight may be required to maintain front axle weight below 65% of total vehicle weight when equipped with snow plow, consult your snow plow manufacturer for specific compensating weight recommendation.

VYU is offered on incomplete vehicles, please consult Upfitter for recommended maximum plow weights.